

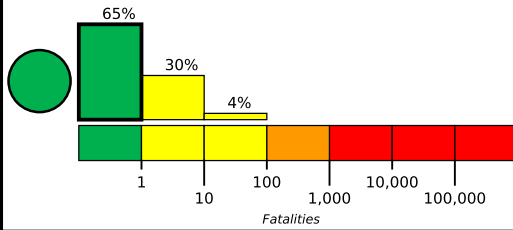
M 5.4, 19km WSW of Araya, Venezuela

Origin Time: 2019-09-09 18:05:17 UTC (Mon 14:05:17 local)

Location: 10.5096° N 64.4245° W Depth: 10.0 km

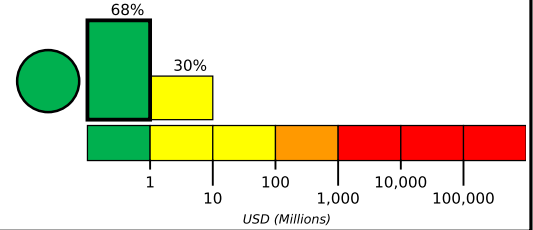
Created: 1 week, 1 day after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

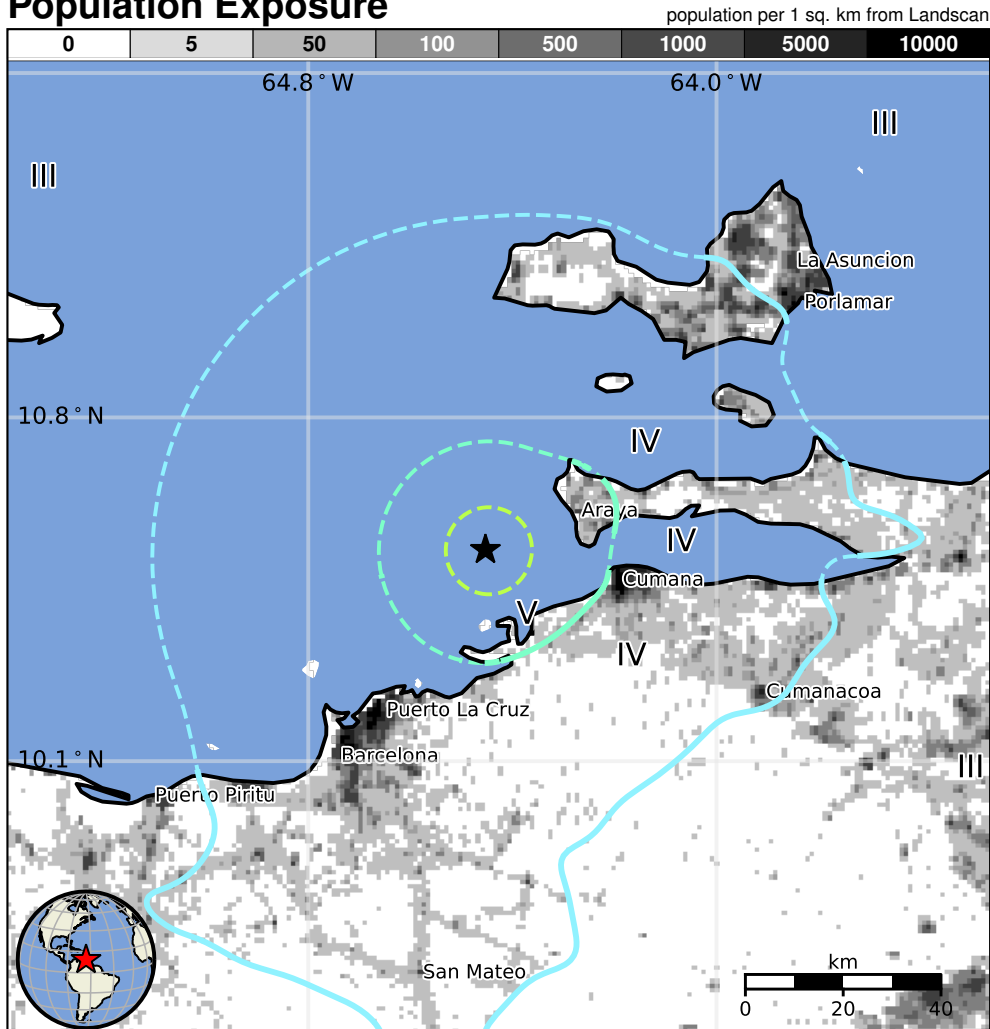


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	463k*	1,583k	347k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1997-07-09	97	6.9	VIII(8k)	81
1967-07-30	315	6.6	VIII(952k)	240
1967-07-30	315	6.6	VIII(952k)	240

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Araya	<1k
V	Cumana	258k
IV	Barcelona	425k
IV	Lecherias	<1k
IV	Puerto La Cruz	370k
IV	Guanta	<1k
IV	Boca del Rio	<1k
IV	Cumanacoa	<1k
IV	Juan Griego	28k
IV	Porlamar	87k
III	La Asuncion	35k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70005drn#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70005drn